An Efray On Manthe Standing on Historical acutus tricke Respectfully Gubmitted To the Faculty of the Hornverpathic medical College Twenty ninth of Tanuary One thousand eight hundred & fifty three The Treedley Musgrave State of Pennsylvania I the affirmity this disease had to the influence

Hydrocephalus acutus The the knowledge we possess relative to the nature and characteristic symptoms of effusion of serum within the cran-- ium, we are indulted almost entirely to modern inves-- tigation and pathological research. It is not quite a century, since the first accierate account of the symp-- toms and progress of acute hydrocephalus was published in a posthumous work by Or Whytt, under the title of Observations on the Dropsy of the brain, in which he gave a very claborate account of the history, symp--tomatology, and progress of the disease. But his views of its nature were merely hypothetical, attributing all the symptoms to effects of pressure on the brain by the effused fluid.

The first approach to a correct theory of the disease was contained in an efsay, by Dr Luin of Dublin, published 1799, in which he pointed out the affinity this disease had to the inflamma- tory diseases, and supported his views by the post mortem appearaces which this disease presented on diffection. This view of the nature of this disease, supported by such a pillar as pathology, could not pa fo through the hands of the medical profession without arousing some great minds into a further investigation of the newly founded theory, in quest of its validity, and also to make new discoveries of what escaped the observations of their predecessors and afsist in the perfection of the science. And it has become a settled point by writers of the present day, that this disease is nothing more or bess than inflammation of the arachnoid membrane with effusion of serum and lymph, and sometimes pushe found of larger one

This form of hydrocephalus affects chiefly children from the ages of two to six years; slowly manifesting itself by fever, lassitude, and pain in the head, slowness of the pulse, contraction or dilatation of the pupil, sommolency, tendency to consulsions and paralysis.

Writers on this subject, have been led by the variety and complexity of the symptoms to arrange them into several groups, characteristic of different periods of the disease which are termed stages. These stages are four in number, were founded by Tolis on presumed path-ological conditions of the brain at successive periods of the disorder. These are first the ferriod of turgescence; second inflammation; third effusion; fourth paralysis.

First stage, or the period of turgescence, It is seldom that the symptoms of this stage are distinctly perceptible; so much so that in some cases they are entirely unnoticed. And when they are noticed, few are characteristic of hydrocephalus. Among the precur-

- sory symptoms, are sudden changes of disposition from cheerfulness and playfulness to pettishness. The child that was previously able to run about with ease, has an unsteady gait; he raises his feet high from the ground, and is liable to fall even in walking on the level floor. On rising from a recumbent posture, or raising or moving the head suddenly, verlige or sudden stupefaction is experienced; sometimes there is tenderness of the scalp, rigidity of the neck &c. In some cases the secretion of wrine is scanty, in others the wine is turbed and flocculent. Change of the healthy appearance of the child to a pale-- ness - loss of appetite - restless sleep, diving which the child mount and grouns, starts up as if frightened - alternation of creeping chills and plushes of heat, This stage sometimes lasts only a few

howis, at other times a few days, and the

The second stage or period of inflamma - tion. Amongst the symptoms most frequently present in this stage are pains in the fore-- head and temporal region, of a violent char-- acter, also pains in the neck, abdomen, and limbs, attended with vomiting and is mostly excited by moving the child suddenly, as it is less likely to occur when kept quiet. The head feels quite hot the conjunctiva is sometimes slightly enjected, puful of the eye closely contracted. At this time there is a manifest aversion to light and noise, which indicate an increased sensibility of the nervous system; the mind at this time is little impaired, for correct answers to questions are given, though unwillingly. The symptoms denoting derangements of the digestive organs are numerous, the tongue

is slightly furred, nostrils always dry, and the lips cracked; breath has a sickly smell, with complete loss of appetite. The epigastrie region and right hypochondriac is often time -fred and very sensitive to prefoure, though in the progress of the direase the whole abdomen becomes fluccid without any proportional in-- crease of alvine discharges. There is commonly great tendency to constipation - dyswia is sometimes complained of - pulse is quick cuticle is dry and of an unhealthy color. At This time a resicular eruption, at first very indistinct, but becoming more manifest towards the latter part of the disease, makes its appearance; the eruption occurs most frequently on the outer side of the arms and

The duration of the second stage varies according to the acuteness of the attack,

from a few hours to a week or more. The third stage or stage of exudation. There is a slow fullse, accelerated on slight--est motion, which is accompanied with lan-- quor and torpor; and the head is complained of than in the preceding stage. I quinting and double vision now occur along with delatation and perfect immobility of the pupil. The child hees quiet, not able to keep its head erect; and is incefsantly picking at its nose, lips, ior hair; and either in a fixed stare or spasmodic winking. Expetite in this stage generally returns in a voracions manner. Towards the close of this stage the soporose condition is generally changed and the child has the appearance of recovering its senses, which is indicated by its apparent noticing surrounding objects. But this is

oftentimes an apyregia of short duration,

and is followed in a few days by a deeper state of coma, than before. The wrine
and stools are passed involuntarily. At
this period of the disease the child generalely gives utterance to a shrill piercing scream
which is said to be characteristic of this
disease and during its continuance the pulse
becomes accelerated. If the disease should
not be arrested in this stage it passes into
the fourth in a few days.

The whole duration of this stage is various.
-by stated from one to two weeks.

The fourth stage, or the stage of paraly--sis. The pulse is small, irregular, and hurried - stupor and sopor increase more and more - the paralytic attacks increase in num--ber and in intensity, from slight spasmodic twitchings of the muscles of the face to vio-lent contractions of the muscles of the trunk and extremities. And is usually soon follow-ed by paralysis of one side, the opposite side continuing to be convulsed at intervals - complete blindness and deafness-the eye-lids remain half closed-tingue becomes dirty and black looking-the breath felid - respiration unequal and stertorous-the skin is burning hot with profuse purspiration the feet become cold-pulse gradually be-coming weaker and weaker and a violent convulsion closes the seene.

The duration of this stage is more variable than any of the others, from a few hours to one or two weeks.

The prognosis of hydrocephalus is always doubtful and generally unfavorable. In the first, second, and third stages under good

treatment the prognosis may be considered favourable; but in the fourth stage recovery is rarely known to occur. When it occurs during a slow and imperfect conralescence from an acute disease or by metastasis in the course of Pertussis, Icarlet fever, difficult dentition, or other tedious and severe diseases, by which the powers of the system have been greatly reduced, the prognosis is very unfavorable.

The diagnosis of hydrocephalus is in the first stages somewhat difficult, and it is of the utmost importance that this disease should be detected as early as possible, and physicians attending to the disorders of children, should always be on their guard, that they do not confound the early stages with some of the other diseases incidental to childhood.

The principal difficulty is to distinguish incipient hydrocephalis, from fivers produced from helminthiasis, also by the irritation of dention, or from the infantile remittent fe--ver. There fivers have several symptoms in common with hydrocephalus, and might be readily confounded with it, but the commence-- ment of hydrocephalus is generally more grad--ual. The disorder of the stomach is more con-- stant, especially the frequent recurrence of vomiting. There is an aversion to light - the stools are of a dark dirty green color, and glainy - The pain in the head, when fixed, is oftener dull than acute, but so verpower--ing that it does not admit of the head be-- ing raised from the fullow-sometimes it is a very acute from at intervals, and there intervals sometimes regular in their occur-- ence. It darks through the centre of the brain, the child is roused with an expres-

- sion of helpless anguish from the dozing, which precedes this acute pain and into which he instantly relapses. When it is gone the intermissions of the disease are very ir--regular. In the remittent fever the affections of the head is commonly much less obvious, The remissions being generally regular and complete, there being one in the morning or early in the forenoon, followed by an ex-- acerbation in the afternoon, which continues through the night. The stools are usually dark brown or mud like - a glairy dark green discharge however has been sometimes observed in this fever. All organic diseases of the brain have a general resemblance to hydrocepholus and to each other. But the disorders in These cases is much more tedious than hy-- drocephalus.

Causes the predisposing causes are scro-

phulosis, early and rapid development of the cirebral organs, have been considered as among the principal predisposing causes, and children with large heads, and the fontanels remaining a long time unclosed are remarkably liable to this disease.

The exciting causes are the frequent and indiscrimanate use of narcotics and various preparations of mercury in the diseases encidental to dentition. And the deleterious practice of guing alcoholic drinks and carminative mixtures to infants, which is done by some people; although we find that our profound friends, the allopathic physeians recommend this very practice, with the view to give tone and strengthen the children. To which we may add ex--ternal injuries, such as falls and blows on the head - sudden suppression of

accustomed discharges, or drying up of sores behind the ears, and inflammation of the external ear. This disease is also very frequently excited by metastasis, from fortussis, scarlet fever, measles, & c.

Therapeutics. In the treatment of the first stage the following remedies have been found most useful. Acon, Puls, Cham.

Aconition. Where there is a tendency to anger-easily frightened-vertigo on raising the head or on rising from a sitting posture-dimness of the eyes-startings in the sleep, rest-lessness, tossing from one side to the other-loss of appetite, & c.

Pulsatilla, is indicated when there is per--vishness-sullen mood - restless sleep, with toss- ing, screaming, and starting as if in affright,

- staggering when walking - loss of appetite, —

Thould the above symptoms occur with vertige,

flushes of heat-heat in the face in the

evening, pulsatilla is particularly indicated.

Chamomilla . Pewishness and ill humour dissatisfied with everything that is done,—
startings, attering sudden cries-tossing about during sleep - vertigo when stooping, and on rising from bed - aversion to food - pale sunken countenance with features as if distorted by pain - wine hotsyellow with flocculent sediment.

Remedies for the second stage are, Bell., Merc., Ars., Arn., Bry.

Belladonna. Aching pain in the forehead, during motion it is increased so much that it obliges the patient to close his eyes Cramp like constrictive frain in the abdomen, and inclination to vomit-drawing frain in the lower limbs-aching frain in the order side of the neck-contraction of the pupils-violent redness and heat of the face-loss of appetite-difficult mic-turition.

Mercurius, Constrictive pain with heat and burning in the head were in the evening and at night also reducts of the conjunctiva - fetid smell from the month - distention of the abdomen which is painful to contact or prefoure.

Asservery, Stupifying pain generally of an oppressive nature-contraction of the pupils with a wild staring look and excepsive photophobia - distention of the abdomin and spasmodic culting pains in the abdomin - tongue coated white - vomiting of every thing the patient eats and drinks - pains in the lower extremities as if bruised - with excessive sensitiveness to noise and light.

Arnica Heat in the head the remainder of the body being cool-darting pain in the forehed with sensation as if the integements of the forehead were spasmodically contracted contraction of the pupils-pains in all the limbs as if they had been bruind-furtied smell from the mouth-chapped lips tongue coaled white or yellow.

Bryonia Headache when stroping as if all the contents of the head would issue from the forehead burning pain in the forehead and heat in the head.

the dighter stone pulse involuntary stalls

Remedies for the third stage, are Bell. Vin. Hell. Op. Stram. Hyos. Belladonna, Dilated immovable fur-pils sees things double - continual trembling and winking of the eybids, Wina. Dilatation of the pupils-continual fricking and boring of the nose - the whole head feels hot dull stickes in the brain, especially in the beft side of the head.

Helleborus. The mind has no power over the body-dullness and confusion of the mind-burning heat in the head painful stupe faction of the head as if from intoxication.

Opium. Dilated pupil insensible to the light-slow pulse-involuntary stools Thramonium. Convulsive movements of the limbs, and especially of the upper part of the body, and of the abdomen - pale and hagard face with stupid expression or redness and bloatedness of the face loss of consciousness and of sensation - sometimes with cries, &c.

Hyoseyamus. Convulsive movements of certain limbs or of the whole bodygunding of the teeth-loss of consciousness
-unnoticed emission of wine, deep and
lethargic sleep with snoring. -

Remedies for the fourth stage are Op. Cie Cupr Dine. Opium. I pas modic movements of the facial muscles - convulsive trembling of the limbs - the eyes only half closed - tongue black - irregular difficult respiration - and propose perspiration.

Cicuta. Complete loss of consciousness - the

Micuta. Complete loss of consciousness- motion of the facial muscles- frequent involuntary jerkings of the lower limbs- with a coblaish color of the face- and the beathing to
being interrupted for a few moments.

Enfrum. Convulive movements and lead distortions of the limbs-twitchings of the fingers arms and hands backwards and then again inwards, towards the body. This remedy is particularly adapted if the above symptoms occur at night.

Fincum Has been successfully employed

in the last stage of this disease, with symptoms of incipient paralysis of the brain chalf grain doses every two hours, until improvement set in.

and contemplate the labours of the immer In this disease as well as in any other that we may be called upon to treat, the symptoms presented must be our guide, Although cer-- tain remedies have been prescribed in the different stages of hydrocephalus, we do not wish to be understood as administering them according to the stages, The materia medica or symptomen codex, can in no case be dis-- pensed with. The study of symptoms is la-- borious. But the mariner might as well try to do without his compass, as for the intelligent Homoeopathic physician, to dis-- pense with his symptom book in treating the disease under consideration, as well

as all others, Thould any one who has de-- voted himself to the practice of pure Homeo. - pathy find his heart failing at the task before him, let him rest for an instant and contemplate the labours of the immor-- tal founder of the system . He never wearied in the part of well doing, and enduring sacrafices and privations for the cause of alleviating the sufferings of his fellow man. His example is truly worthy of im-- itation. He has shown us the path he has strewn the way comparative with flowers. Let us, in our study of the cause, and symptoms of diseases, enderour to fol--low his suggestions; and in so doing we may be certain it is the best that can be done for our patients and possess the consciousness that we are discharging those duties that devolve upon us to per-

- form as faithful and intelligent pract -titioners of Homoeopathic medicine. Hypertrophy of the Heart Respectfully Submitted ... To the Faculty of the Homeopathic Medical College of Penylvania on the 24th day of January One thousand eight hundred & fifty the Osmone O. Roberts Fynden Vermons